

Orcana

Industrial Intercom for Demanding and Noisy Environments

Orcana is a rugged, high-performance next-generation industrial intercom with a timeless design, built for communication in harsh conditions. It provides reliable **voice announcements, worker coordination, and process control** wherever loud, clear, and fast communication is required - even in environments with extreme noise, dust, or increased safety requirements.

It is primarily used for:

- Immediate calling of operators or emergency intervention in crisis situations
- Communication between workstations within production or logistics
- Voice instructions and internal announcements for employees
- Control of entrances, doors, gates, and safety elements
- Remote announcements and commands via the **aSCADA®** system

Typical Areas of Deployment

- Industrial halls and production facilities
- Energy and technological installations
- Noisy and dusty technological processes
- Logistics centers and high-capacity terminals
- Oil and gas industry
- Fire stations and operational workplaces
- Security zones, control points, and critical infrastructure

The Orcana intercom can operate as a standalone communication device or as an integrated part of the **aSCADA®** system, where it serves as a remote control unit or a powerful external loudspeaker for voice announcements.

Versions

The Orcana industrial intercom is available in several versions to precisely match the type of operation, required authorization level, and control method.

Its flexible configuration allows you to select the number of buttons, authorization method (backlit keypad, RFID reader), GSM communication, internal or external speaker (or a combination of both), as well as an internal microphone, external microphone, or handset.



Key Features



Premium Sound and High Intelligibility

- Powerful integrated speaker with the option to connect an external speaker
- Clear communication even in extremely noisy environments
- Advanced noise and echo cancellation (ANC / AEC)
- Automatic volume adjustment based on ambient noise



Rugged Industrial Design

- Durable anti-vandal design suitable for demanding conditions
- IP65 protection against dust and water
- Reliable operation even at high humidity levels (up to 95%)
- Functional across a wide temperature range
- High device visibility in operation
- Protection against unauthorized tampering



Modern Communication Technologies

- LAN connectivity with VoIP support
- Mobile communication via 4G/2G in locations without fixed networks
- Support for integrated and external GSM antennas



Flexible Power Supply and High Availability

- Supports power supply via PoE and external power source (AC/DC)
- Suitable for locations without existing infrastructure
- Output for powering external devices (e.g., signaling devices, locks)



Security and Easy Integration

- Authorized access via keypad or RFID
- Integration with doors, gates, and signaling elements
- Easy integration into the aSCADA® system
- Can be used as a control workstation or external loudspeaker

Technical Specifications

Power Supply	PoE: 802.3af (15 W), 802.3at (30 W), 802.3bt (60 W) AC: 9–40 VAC DC: 9–55 VDC
Output Power Supply	24 V DC / max. 750 mA
Power Consumption	Standby: max. 4 W Active state: up to 60 W (highest-performance version)
Audio Amplifier Power	2 × 25 W / 1 % THD
Device Dimensions	Without integrated GSM antenna: With protective hood: 300 × 150 × 110 mm Without protective hood: 297 × 148 × 83 mm
Weight	Approx. 2.5 kg (version with keypad, GSM module, and integrated antenna)
Operating Temperature Range	-40 °C to +70 °C
Protection Rating	IP65
Binary Inputs / Outputs	2 × binary input 2 × relay output (6 A, 250 VAC / 30 VDC)
Optional Modules / Accessories	RFID reader GSM module (integrated/external antenna) External 25 W speaker
Acoustic parameters	SPL/volume: up to 119dB/0.3m MEMS microphones



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